

B E T A Group, Inc.

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May 26, 2005

Ms. Kimberly Tisa
EPA New England, Region 1
1 Congress Street
Suite 1100 (CPT)
Boston, MA 02114-2023

Re: McCoy Field Site
225 Hathaway Boulevard
New Bedford, MA 02740

Dear Ms. Tisa:

This letter addresses review comments presented in the Versar, Inc. Memorandum dated May 19, 2005 from Diane Sinkowski to Laura Casey. This Memorandum was forwarded to BETA Group in an e-mail from you on May 20, 2005. The review comments are related to the revised risk assessment calculations provided in the two memoranda submitted to EPA Region 1 regarding the new Keith Middle School Site at the above-referenced location: Alan D. Hanscom, BETA Group, Inc. to Kimberly Tisa, EPA, Region 1 (May 2, 2005) and Cyndee Fuller, ESS Group, Inc., to Al Hanscom, BETA Group, "Revision of Risk-based Air Concentrations for PCBs and comparison with MADEP air guidance" (May 9, 2005). The purpose of this letter is to respond to Ms. Sinkowski's comments, with focus on the adequacy of the human health risk assessment calculations for the new Keith Middle School Site.

Memorandum dated May 2, 2005

Comment Related to Calculation of PCB Exposure Point Concentrations

The *Cleanup Request* originally presented PCB concentrations both in soil removed from the Site and soil remaining on Site, primarily because Site sample data had not been segregated into "remaining" and "removed." Table A-1 (attached) presents total PCB data for the 1057 samples representing soil/fill remaining on the Site. As the table shows, the maximum detected concentration of total PCBs is 94.5 mg/kg; the arithmetic mean concentration is 10.5 mg/kg and the 97.5th percentile upper confidence limit calculated by ProUCL is 13.4 mg/kg.

Comment Related to Calculation of Air Dust Concentration Based on a Target Non-Carcinogenic Risk

Calculations are provided in Table A-2 (attached) using a 70-year averaging time for the cancer endpoint and 1-year averaging time for the non-cancer endpoint. The resultant

target air concentrations, 66,000 $\mu\text{g}/\text{m}^3$ and 1,300 $\mu\text{g}/\text{m}^3$, are higher (less protective) than the screening level used to evaluate air measurements (400 $\mu\text{g}/\text{m}^3$) using the MADEP approach. The concentration applied (46.6 mg/kg) was the 95th percentile upper confidence limit of the mean concentration in the clean corridor known at that time (~May 2004). This concentration is retained in this example for consistency.

Comment Related to Total Suspended Particulates versus Respirable Particulates or PM₁₀

Since clean corridor work is completed and measurements of air particles were consistently below the conservative action level of 400 $\mu\text{g}/\text{m}^3$, estimation of PCB exposures using measured air particle data was not included as part of the Risk-based Closure Request.

Comment Related to Table 3-1 Calculation of Indoor Inhalation of PCBs Volatilized from Soil

The recalculation performed by Versar omitted the exposure duration value of 8 hours per day. Using the UR of 0.1 (mg/m^3)⁻¹, the cancer risk is 8×10^{-9} (i.e., eight times higher than calculated above).

Comment Related to Table 3-5, Summary of Site Input Variables

The planned structure is being built on pilings, with several engineered features between the impacted soil and the foundation base. Use of an areal crack fraction value of 0.00038 cm^2/cm^2 for a slab-on-grade structure is likely an overestimate, but increases the risk slightly from 8×10^{-9} to 1×10^{-8} . Please note that page 39 of the U.S. EPA guidance has a typographic error when citing an areal crack fraction of 0.0038 cm^2/cm^2 ; the value should be 0.00038 cm^2/cm^2 (refer to Table 9 of the same document).

Memorandum dated May 9, 2005

Comment Related to Selection of Hazard Index to Determine a Non-Carcinogenic Action Level

The MCP uses a hazard index of 0.2 for chemical-specific Method 1 standards to partially account for cumulative risk not addressed by chemical-specific criteria. A target hazard index of 1 will result in a higher (less stringent) action level.

We trust that our responses adequately address the questions and concerns raised during Versar's and EPA's review of the aforementioned memoranda; however, we will be available to address any further questions or concerns that may arise.

Ms. Kimberly Tisa, USEPA

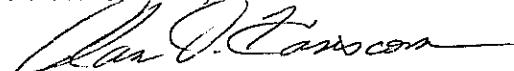
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Please call either of the undersigned with any questions related to the contents of this letter or any further concerns that may arise.

Very truly yours,

BETA GROUP, INC.



Alan D. Hanscom, P.E., LSP
Associate

ESS GROUP, INC.



Cynthia Fuller
Health Risk Assessor

Cc: Gerard Martin, MADEP
Scott Alfonse, City of New Bedford
Jacqueline Coucci, City of New Bedford
William DoCarmo, City Project Manager
Larry Oliveira, School Department
Evan Warner, Mount Vernon Group Architects
Jackie Huggins, BETA

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
A1-0.5-3'	0.5-3	10/12/04	20.2
A13-0.5-3.6'	0.5-3.6	10/12/04	3.65
A14-0.5-4.7'	0.5-4.7	10/12/04	12.6
A18-0.5-3.6'	0.5-3.6	10/12/04	23.2
A19-0.5-3.5'	0.5-3.5	10/12/04	40.7
A2-0.5-1.9'	0.5-1.9	10/12/04	1.92
A20-0.5-2.75'	0.5-2.75	10/12/04	22.3
A21-2.6-3.6'	0.5-2.6	12/03/04	6.95
A22-0.5-2.5'	0.5-2.5	10/12/04	1.72
A23-0.5-2.5'	0.5-2.5	10/12/04	1.82
A24-0.5-2.6'	0.5-2.6	10/12/04	3.56
A25-0.5-2.1'	0.5-2.1	10/12/04	9.8
A26-0.5-1.5	0.5-1.5	10/14/04	40.5
A27-0.5-1.2	0.5-1.2	10/14/04	4.55
A43-0.5-1.2	0.5-1.2	10/14/04	1.16
A44-0.5-1.7	0.5-1.7	10/14/04	1.11
A45-0.5-2.5	0.5-2.5	10/14/04	1.13
A46-0.5-2.1	0.5-2.1	10/14/04	1.08
A50-0.5-2.7	0.5-2.7	10/14/04	1.13
A52-0-3.5	0-3.5	11/11/04	1.15
A53-0-3	0-3	11/11/04	1.09
A54-0-2.5	0-2.5	11/11/04	1.18
A55-0-1	0-1	11/11/04	1.1
A57-0-2	0-2	11/04/04	1.025
A58-0-2	0-2	11/04/04	1
A59.5-1-3'	1-3	11/04/04	1.05
A59-0-1.5	0-1.5	11/04/04	1.1
A5-A-2.5-3.5'	2.5-3.5	12/03/04	64.1
A5-A-3.5-4.5'	3.5-4.5	12/03/04	3.87
A5-C-2.5-3.5'	2.5-3.5	12/03/04	2.23
A5-C-3.5-4.5'	3.5-4.5	12/03/04	7.23
A5-H-4.5-5.5'	4.5-5.5	12/28/04	55
A5-I-2.5-3.5'	2.5-3.5	12/28/04	1.16
A5-I-3.5-4.5'	3.5-4.5	12/28/04	74.1
A5-J-3.5-4.5'	3.5-4.5	01/11/05	8.55
A5-K-3.5-4.5'	3.5-4.5	01/11/05	18.1
A5-L-3.5-4.5'	3.5-4.5	01/11/05	55.1
A6-0.5-1.75'	0.5-1.75	10/12/04	1.96
A60-1-3.5	1-3.5	11/04/04	2.75
A7-0.5-1.6	0.5-1.6	10/12/04	1.96
A8-0.5-1.6'	0.5-1.6	10/12/04	4.43
A9-0.5-1.6'	0.5-1.6	10/12/04	1.87
B1-0.5-1.1'	0.5-1.1	10/12/04	1.81
B19-0.5-2.4'	0.5-2.4	10/12/04	1.85
B23-0.5-0.7'	0.5-0.7	10/12/04	9.42

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Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)	
B24-0.5-1.2'	0.5-1.2	10/12/04	1.79	U
B25-0.5-2.1'	0.5-1.2	10/12/04	9.32	
B26-0.5-1.9	0.5-1.9	10/14/04	44.8	
B26-0.5-1.9 Mix	0.5-1.9	10/14/04	26.4	
B26-0.5-2.0	0.5-2.0	12/03/04	9.39	
B28-0.5-1.2	0.5-1.2	10/14/04	14.05	U
B32-0.5-0.7	0.5-0.7	10/14/04	1.35	
B37-0.5-0.9	0.5-0.9	10/14/04	1.08	U
B38-0.5-0.7	0.5-0.7	10/14/04	1.01	U
B41-0.5-0.8	0.5-0.8	10/14/04	1.03	U
B42-0.5-1.6	0.5-1.6	10/14/04	1.06	U
B43-0.5-1.75	0.5-1.75	10/14/04	2.13	
B44-0.5-2.4	0.5-2.4	10/14/04	1.04	U
B46-0.5-1.0	0.5-1	10/14/04	1.08	U
B53-0-2	0-2	11/11/04	1.11	
B54-0-1	0-1	11/11/04	1.13	U
B59.5-0.5-2	0.5-2	11/04/04	2.95	
B60-1-3.5	1-3.5	11/04/04	1.15	U
B8-0.5-0.6'	0.5-0.6	10/12/04	6.19	
B9-0.5-0.7	0.5-0.7	10/12/04	9.03	
BS-100-1-4'	1-4	11/03/04	6.19	
BS-101-1-3.75'	1-3.75	11/03/04	3.65	
BS-102-1-2'	1-2	11/03/04	1.92	U
BS-103-1-2.75'	1-2.75	11/03/04	1.94	U
BS-104-1-4'	1-4	11/03/04	2.08	U
BS-105-1-1.5'	1-1.5	11/03/04	1.89	U
BS-106-1-4'	1-4	11/03/04	2.18	
BS-107-1-3.25'	1-3.25	11/03/04	40	
BS-108-1-1.75'	1-1.75	11/03/04	3.44	
BS-109-1-3.75'	1-3.75	11/03/04	8.52	
BS-110-1-3.75'	1-3.75	11/03/04	18.1	
BS-111-1-4.5'	1-4.5	11/03/04	8.62	
BS-112-1-4'	1-4	11/03/04	48	
BS-112-4-7'	4-7	11/03/04	5.96	
BS-113-1-4'	1-4	11/03/04	1.94	U
BS-113-4-7'	4-7	11/03/04	6.67	
BS-114-1-5'	1-5	11/03/04	2.53	
BS-115-1-2'	1-2	11/03/04	1.89	U
BS-116-1-2'	1-2	11/03/04	1.89	U
BS-117-1-2'	1-2	11/03/04	1.85	U
BS-118-1-1.75'	1-1.75	11/03/04	1.85	U
BS-69-1.5-2.5'	1.5-2.5	12/02/04	14.2	
BS-69-B-1-2'	1-2	11/17/04	2.28	
BS-69-C-1-2'	1-2	11/17/04	7.7	
BS-93-1-2'	1-2	11/03/04	2	

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New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
BS-94-1-4.5'	1-4.5	11/03/04	2.7
BS-95-1-2'	1-2	11/03/04	1.89
BS-96-1-6'	1-6	11/03/04	1.89
BS-97-1-5.25'	1-5.25	11/03/04	2.49
BS-98-1-5'	1-5	11/03/04	5.45
BS-99-1-4.25'	1-4.25	11/03/04	20.1
C1-0.5-0.6'	0.5-0.6	10/12/04	4.56
C18-0.5-2.25'	0.5-2.25	10/12/04	1.81
C19-0.5-1.3'	0.5-1.3	10/12/04	1.87
C26-0.5-1.0	0.5-1	10/14/04	2.16
C5-0.5-0.6'	0.5-0.6	10/12/04	13.3
C50-0.5-1.7	0.5-1.7	10/14/04	1.03
C53-0-1.5	0-1.5	11/11/04	1.06
C59.5-0.5-2	0.5-2	11/04/04	1.3
C6-0.5-1	0.5-1	10/12/04	14.5
C60-1-3.5	1-3.5	11/04/04	1.172
C7-0.5-1	0.5-1	10/12/04	15.5
C8-0.5-1.25'	0.5-1.25	10/12/04	9.34
C9-0.5-1.7'	0.5-1.7	10/12/04	13.5
Comp DB 12, 18, 24-1-4'	1-4	08/04/04	10.6
Comp DB 3&4-1-4'	1-4	08/03/04	7.85
Comp DB 30, 36, 42-1-4'	1-4	08/04/04	11.7
D1-0.5-0.75	0.5-0.75	12/28/04	1.34
D10-0.5-2.2	0.5-2.2	12/28/04	11.7
D18-0.5-1.1	0.5-1.1	10/12/04	5.29
D46-0.5-0.7	0.5-0.7	10/14/04	1.15
D5-0.5-0.8	0.5-0.8	12/28/04	8.22
D53-0-2	0-2	11/11/04	1.1
D59.5-0-2	0-2	11/04/04	35.435
D6-0.5-1.1	0.5-1.1	12/28/04	5.47
D60-0-1.5	0-1.5	11/04/04	8.86
D7-0.5-1.15	0.5-1.15	12/28/04	10.7
D8-0.5-1.45	0.5-1.45	12/28/04	7.74
D9-0.5-1.9	0.5-1.9	12/28/04	6.05
DB 1-1-4'	1-4	08/03/04	6.63
DB 3-1-4'	1-4	08/03/04	10.4
DB 4-1-4'	1-4	08/03/04	4.62
DB 6-1-4'	1-4	08/03/04	2.5
DB 7-1-4'	1-4	08/03/04	8.84
DB 8-1-3'	1-3	08/03/04	8.18
DB 8-3-6'	3-6	08/03/04	7.49
DB 8-6-9'	6-9	08/03/04	1.2
DB12-1-4'	1-4	08/04/04	23.9
DB13-1-4'	1-4	08/03/04	4.62
DB14-1-3'	1-3	08/03/04	21.1

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Polychlorinated Biphenyls (PCBs)
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Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
DB14-3-6'	3-6	08/03/04	7.82
DB14-6-9'	6-9	08/03/04	1.19
DB14-Comp	1-9	08/03/04	9.08
DB18-1-4'	1-4	08/04/04	19.5
DB19-1-4'	1-4	08/03/04	7.83
DB20-1-3'	1-3	08/03/04	4.9
DB20-3-6'	3-6	08/03/04	38.1
DB20-6-9'	6-9	08/03/04	2.49
DB20-Comp	1-9	08/03/04	3.16
DB24-1-4'	1-4	08/04/04	23.5
DB25-1-4'	1-4	08/03/04	10.9
DB26-B-1-3'	1-3	09/09/04	19.2
DB26-B-3-6'	3-6	09/09/04	21.6
DB26-C-1-3'	1-3	09/09/04	18.7
DB26-C-3-6'	3-6	09/09/04	24.2
DB26-C-6-9'	6-9	09/09/04	22.2
DB26-D-1-3'	1-3	09/09/04	20.1
DB26-D-3-6'	3-6	09/09/04	23.1
DB26-D-6-9'	6-9	09/09/04	20.8
DB26-F-3-6'	3-6	09/22/04	4.13
DB26-F-6-13'	6-13	09/22/04	7.81
DB26-G-3-6'	3-6	09/22/04	5.41
DB26-G-6-12.5'	6-12.5	09/22/04	2.41
DB26-H-3-6'	3-6	09/22/04	8.16
DB26-H-6-11'	6-11	09/22/04	11.2
DB30-1-4'	1-4	08/04/04	9.45
DB31-1-4'	1-4	08/03/04	7.01
DB32-B-1-3'	1-3	09/09/04	18.9
DB32-B-3-6'	3-6	09/09/04	24.2
DB32-C-1-3'	1-3	09/09/04	19.6
DB32-C-3-6'	3-6	09/09/04	24.8
DB32-D-1-3'	1-3	09/09/04	19.4
DB32-D-3-6'	3-6	09/09/04	23.1
DB36-1-4'	1-4	08/04/04	5.86
DB37-1-4'	1-4	08/03/04	32.1
DB38-1-3'	1-3	08/03/04	2.46
DB38-3-6'	3-6	08/03/04	26.5
DB38-6-9'	6-9	08/03/04	5.25
DB42-1-4'	1-4	08/04/04	7.91
DB43-1-4'	1-4	08/03/04	36.7
DB44-1-3'	1-3	08/03/04	1.46
DB44-3-6'	3-6	08/03/04	38.2
DB44-6-9'	6-9	08/03/04	29
DB48-1-4'	1-4	09/08/04	24.9
DB49-1-4'	1-4	08/03/04	7.23

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
DB50-1-3'	1-3	08/03/04	22.8
DB50-3-6'	3-6	08/03/04	1.91
DB50-6-9'	6-9	08/03/04	4.15
DB50-Comp	1-9	08/03/04	5.9
DB51-1-3'	1-3	08/03/04	3.5
DB51-3-6'	3-6	08/03/04	3.75
DB51-6-9'	6-9	08/03/04	8.91
DB52-1-4'	1-4	09/08/04	7.56
DB52-4-7'	4-7	09/08/04	23.4
DB52-7-10.5'	7-10.5	09/08/04	24.2
DB52-A-1-3'	1-3	09/14/04	19.4
DB52-A-3-6'	3-6	09/14/04	21.6
DB52-A-6-10'	6-10	09/14/04	21.6
DB52-B-1-3'	1-3	09/14/04	18.5
DB52-B-3-6'	3-6	09/14/04	32.5
DB52-B-6-10'	6-10	09/14/04	21.4
DB52-C-1-3'	1-3	09/14/04	20.1
DB52-C-3-6'	3-6	09/14/04	20.3
DB52-C-6-9.5'	6-9.5	09/14/04	24.2
DB52-D-1-3'	1-3	09/14/04	18.7
DB52-D-3-6'	3-6	09/14/04	21.6
DB52-D-6-9.5'	6-9.5	09/14/04	23.5
DB54-1-4'	1-4	09/08/04	34.2
DB55-1-4'	1-4	08/03/04	6.96
DB56-1-4'	1-4	08/03/04	2.94
DB57-1-4'	1-4	08/03/04	7.86
DB58-1-4'	1-4	09/08/04	15.4
DB59 C-1-3	1-3	09/20/04	22.9
DB59 C-3-6	3-6	09/20/04	8.63
DB59 C-6-10	6-10	09/20/04	22.2
DB5-A-1-3'	1-3	09/14/04	18.9
DB5-C-1-3'	1-3	09/14/04	19.4
DB5-D-1-3'	1-3	09/14/04	19.6
DB5-D-3-6'	3-6	09/14/04	22.2
DB5-D-6-11.5'	6-11.5	09/14/04	12.9
DB5-E-10-12'	10-12	09/29/04	1.34
DB5-E-1-3'	1-3	09/29/04	5.61
DB5-E-3-6'	3-6	09/29/04	5.92
DB5-E-6-10'	6-10	09/29/04	1.35
DB5-F-10-11.5'	10-11.5	09/29/04	1.82
DB5-F-1-3'	1-3	09/29/04	11.3
DB5-F-3-6'	3-6	09/29/04	49.1
DB5-F-6-10'	6-10	09/29/04	1.6
DB5-G-1-3'	1-3	09/30/04	4.1
DB5-G-6-10.5	6-10.5	09/30/04	1.5

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Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)	
DB5-K-10-12'	10-12	09/30/04	2.08	U
DB5-K-1-3'	1-3	09/30/04	13.6	
DB5-K-3-6'	3-6	09/30/04	5.42	
DB5-K-6-10'	6-10	09/30/04	27.6	
DB5-L-10-11.5'	10-11.5	09/30/04	1.47	U
DB5-L-1-3'	1-3	09/30/04	7.74	
DB5-L-3-6'	3-6	09/30/04	8.44	
DB5-L-6-10'	6-10	09/30/04	7.24	
DB5-M-10-12'	10-12	09/29/04	1.52	
DB5-M-1-3'	1-3	09/29/04	8.47	
DB5-M-3-6'	3-6	09/29/04	70.6	
DB5-M-6-10'	6-10	09/29/04	38.6	
DB60-1-4'	1-4	09/08/04	28.5	
DB8-Comp	1-9	08/03/04	4.25	
DL18-1-3'	1-3	08/11/04	5.1	
DL18-3-6'	3-6	08/11/04	3.33	
DL19-1-3'	1-3	08/11/04	4	
DL19-3-6'	3-6	08/11/04	8.4	
DL20-1-3'	1-3	08/11/04	21	
DL20-3-6'	3-6	08/11/04	5.825	
DL22-1-3'	1-3	08/11/04	26	
DL22-3-6'	3-6	08/11/04	1.28	U
DL35-1-4'	1-4	08/11/04	33.8	
DL36-1-4'	1-4	08/11/04	8.6	
DL36-4-8'	4-8	08/11/04	4.65	
DL36-4-8'	4-8	08/11/04	13.8	
DL85-1-3'	1-3	08/26/04	18.3	U
DL85-3-6'	3-6	08/26/04	19.6	U
DL85-6-9'	6-9	08/26/04	21.4	U
DL92-A-1-4'	1-4	10/22/04	12.1	
DL92-A-4-8'	4-8	10/22/04	7.02	
DL92-A-8-9.5'	8-9.5	10/22/04	4.36	
DL92-C-1-4'	1-4	10/22/04	94.5	
DL92-C-4-8'	4-8	10/22/04	3.26	
DL92-C-8-9.75'	8-9.75	10/22/04	1.77	U
E1-0.5-0.8	0.5-0.8	12/28/04	1.07	
E10-0.5-1.9	0.5-1.9	12/28/04	9.9	
E13-0.5-2.4	0.5-2.4	12/28/04	6.7	
E14-0.5-1.25	0.5-1.25	10/14/04	5.97	
E15-0.5-2.5	0.5-2.5	10/14/04	2.8	
E47-0.5-0.6	0.5-0.6	10/14/04	1.08	U
E5-0.5-0.85	0.5-0.85	12/28/04	14.4	
E53-0-1	0-1	11/11/04	1.12	U
E59.5-0-2	0-2	11/04/04	16.8	
E6-0.5-0.9	0.5-0.9	12/28/04	14.3	

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
E7-0.5-1.2	0.5-1.2	12/28/04	8.49
E8-0.5-1.25	0.5-1.25	12/28/04	3.85
E9-0.5-1.5	0.5-1.5	12/28/04	6.2
F13-0.5-1.4	0.5-1.4	12/28/04	1.11
F14-0.5-1.5	0.5-1.5	10/14/04	8.25
F15-0.5-1	0.5-1	10/14/04	5.64
F50-0.5-1.5	0.5-1.5	10/14/04	1.01
F51-0-2	0-2	11/04/04	1.1
F59.5-0-2	0-2	11/04/04	21.8
F60-0.25-2	0.25-2	11/04/04	45.5
G13-0.5-1.2	0.5-1.2	12/28/04	1.08
G14-0.5-1.5	0.5-1.5	10/14/04	5.83
G18-0.5-1.2	0.5-1.2	10/14/04	1.11
G50-0.5-1.6	0.5-1.6	10/14/04	1.09
G51-0-1	0-1	11/04/04	1.1
G52-0-1	0-1	11/11/04	1.11
G53-0-1	0-1	11/11/04	1.1
G54-0-1	0-1	11/11/04	4.39
G59.5-0-3.25'	0-3.25	11/04/04	2.4
G59-0-2'	0-2	11/04/04	3.25
G60-0.5-3	0.5-3	11/04/04	1.25
GB3-A-3-6'	3-6	09/22/04	1.09
GB3-B-1-3'	1-3	09/22/04	4.08
GB3-B-3-6'	3-6	09/22/04	1.06
GB3-C-3-5'	3-5	09/22/04	1.26
GB3-D-1-3'	1-3	09/22/04	10.1
GB3-D-3-6'	3-6	09/22/04	63.6
GB3-E-6-7'	6-7	11/02/04	1.83
GB3-F-6-7'	6-7	11/02/04	1.89
GB3-G-6-7'	6-7	11/02/04	1.87
GB3-H-6-7'	6-7	11/02/04	13.1
GB56-1-2.5'	1-2.5	08/04/04	1.18
GB58-1-2.5'	1-2.5	08/04/04	0.95
GB59-1-2.5'	1-2.5	08/04/04	1.02
GB60-1-2.5'	1-2.5	08/04/04	2.44
GB61-1-2.5'	1-2.5	08/04/04	1.61
GB62-1-2.5	1-2.5	08/04/04	2.61
GB63-1-2.5'	1-2.5	08/04/04	6.7
GB64-1-2.5'	1-2.5	08/04/04	2.14
GB65-1-2'	1-2	08/26/04	1.89
GB66-1-2'	1-2	08/04/04	0.841
GB67-1-2'	1-2	08/04/04	0.99
GB68-1-2.5'	1-2.5	08/04/04	1.05
GB69-1-2.5'	1-2.5	08/04/04	1.07
GB70-1-2.5'	1-2.5	08/04/04	1.08

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
GB71-1-2.5'	1-2.5	08/04/04	5.89
GB72-1-2.5'	1-2.5	08/04/04	7.02
GB73-1-2.5'	1-2.5	08/04/04	9.31
GB74-1-2.5'	1-2.5	08/04/04	1 U
GB75-1-3'	1-3	08/04/04	3.31
GB76-1-3.5'	1-3.5	12/02/04	1.75
GB77-1-3'	1-3	08/04/04	1 U
GB78-1-2.5'	1-2.5	08/04/04	1 U
GB79-1-2.5'	1-2.5	08/04/04	1.08 U
GB80-1-2.5'	1-2.5	08/04/04	2.28
GB81-1-2.5'	1-2.5	08/04/04	1.06 U
GB82-1-3'	1-3	08/04/04	0.94 U
H1-0.5-0.65	0.5-0.65	12/28/04	7.58
H13-0.5-0.9	0.5-0.9	12/28/04	3.83
H14-0.5-1.25	0.5-1.25	10/14/04	6.38
H15-0.5-1.3	0.5-1.3	10/14/04	5.87
H21-0.5-1.2	0.5-1.2	10/14/04	1.1 U
H22-0.5-1.3	0.5-1.3	10/14/04	1.07 U
H26-0.5-1	0.5-1	10/14/04	5.21
H50-0.5-1.25	0.5-1.25	10/14/04	1.1 U
H51-0-1.5	0-1.5	11/04/04	1.09 U
H52-0-1	0-1	11/11/04	18.8
H54-0-3	0-3	11/11/04	4.17
H55-0-3	0-3	11/11/04	1.2 U
H56-0-2	0-2	11/04/04	1.06 U
H57-0-2	0-2	11/04/04	1.1 U
H58-0-3	0-3	11/04/04	1.08 U
H59.5-0-2	0-2	11/04/04	8.9
H59-0-2.5	0-2.5	11/04/04	1.125 U
H60-0-2.5	0-2.5	11/04/04	47.7
HG56.75-0-1.5	0-1.5	11/04/04	1.1 U
I1-0.5-0.7	0.5-0.7	12/28/04	1.13 U
I13-0.5-0.75	0.5-0.75	12/28/04	1.08 U
I14-0.5-1.25	0.5-1.25	12/28/04	4.2
I26-0.5-1.1	0.5-1.1	10/14/04	2.63
I50-0.5-1	0.5-1	10/14/04	1.09 U
I51-0-1.75	0-1.75	11/04/04	1.1 U
I52-0-1.75	0-1.75	11/11/04	1.09 U
I56-0-1'	0-1	02/16/05	2.15
I56-1-3'	1-3	02/16/05	0.108 U
I57-0-1'	0-1	02/16/05	1.725
I57-1-3'	1-3	02/16/05	0.106 U
I58-0-1'	0-1	02/16/05	0.42
I58-1-3'	1-3	02/16/05	0.103 U
I59-0-1'	0-1	02/16/05	32.6

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)	
I59-1-3'	1-3	02/16/05	0.105	U
I60-0-1'	0-1	02/16/05	9.45	
I60-1-3'	1-3	02/16/05	0.102	U
J1-0.5-0.7	0.5-0.7	12/28/04	4.39	
J21-0.5-1	0.5-1	10/14/04	1.04	U
J26-0.5-1	0.5-1	10/14/04	1.07	U
J50-0.5-0.7	0.5-0.7	10/14/04	1.09	U
J51-0-1	0-1	11/04/04	1.1	U
J52-0-0.75	0-0.75	11/11/04	1.13	U
J58-0-1'	0-1	02/16/05	0.76	
J58-1-3'	1-3	02/16/05	0.11	U
J59-0-1'	0-1	02/16/05	49	
J59-1-3'	1-3	02/16/05	0.49	
J60-0-1'	0-1	02/16/05	2.36	
J60-1-3'	1-3	02/16/05	0.55	
K1-0.5-0.7	0.5-0.7	12/28/04	11.9	
K10-0.5-1.1	0.5-1.1	12/28/04	3.53	
K12-0.5-1.2	0.5-1.2	12/28/04	6.01	
K13-0.5-1.7	0.5-1.7	12/28/04	1.03	U
K14-0.5-1.15	0.5-1.15	12/28/04	13.8	
K51-0-0.75	0-0.75	11/04/04	1.125	U
K60-0-1'	0-1	02/16/05	0.137	U
K60-1-3'	1-3	02/16/05	0.109	U
K8-0.5-0.55	0.5-0.65	12/28/04	1.09	U
K9-0.5-0.9	0.5-0.9	12/28/04	1.07	U
L1-0.5-0.75	0.5-0.75	12/28/04	1.09	
L10-0.5-1.1	0.5-1.1	12/28/04	7.17	
L10-1-3'	1-3	08/17/04	1.08	
L10-6-9'	6-9	08/17/04	23.5	
L10-A-3-6'	3-6	12/03/04	10	
L10-B-3-6'	3-6	12/03/04	9.53	
L10-C-3-6'	3-6	12/03/04	3.52	
L10-D-3-6'	3-6	12/03/04	73.5	
L11-1-3'	1-3	08/17/04	13.1	
L11-3-6'	3-6	08/17/04	2.22	
L1-1-4'	1-4	08/17/04	3.64	
L11-A-6-10'	6-10	12/03/04	3.45	
L11-B-6-11'	6-11	12/02/04	11.7	
L11-C-6-10'	6-10	12/03/04	1.16	U
L11-D-6-9.5'	6-9.5	12/02/04	10.2	
L12-0.5-1	0.5-1	12/28/04	1.12	U
L12-1-4'	1-4	08/17/04	54.5	
L12-4-7'	4-7	08/17/04	3.63	
L12-7-10'	7-10	08/17/04	21.7	
L13-0.5-1.5	0.5-1.5	12/28/04	5.02	

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
L13-1-4'	1-4	08/17/04	2.35
L13-4-8'	4-8	08/17/04	0.0344
L13-8-12'	8-12	08/17/04	0.0362
L14-0.5-1.75	0.5-1.75	12/28/04	4.21
L14-1-4'	1-4	08/17/04	0.0379
L14-4-8'	4-8	08/17/04	0.0948
L14-4-7'	4-7	08/17/04	2.92
L14-8-12'	8-12	08/17/04	0.0355
L15-1-4'	1-4	08/17/04	0.0362
L15-4-8'	4-8	08/17/04	1.1
L15-8-12'	8-12	08/17/04	0.492
L16-1-4'	1-4	08/17/04	2.12
L16-4-8'	4-8	08/17/04	4.37
L17-7-11'	7-11	08/17/04	2.1
L17-1-4'	1-4	08/19/04	0.374
L17-4-7'	4-7	08/19/04	0.49
L17-7-10'	7-10	08/19/04	0.383
L18-0-4'	0-4	12/03/04	1.18
L18-4-5'	4-5	12/03/04	1.21
L19-1-4'	1-4	08/19/04	0.379
L19-4-7'	4-7	08/19/04	3.12
L19-7-11'	7-11	08/19/04	3.26
L20-1-4'	1-4	08/19/04	2.3
L20-4-7'	4-7	08/19/04	5.53
L20-7-11'	7-11	08/19/04	1.97
L21-1-4'	1-4	08/19/04	2.82
L21-4-7'	4-7	08/19/04	1.9
L21-7-10.5'	7-10.5	08/19/04	1.42
L22-1-4'	1-4	08/19/04	0.792
L22-4-7'	4-7	08/19/04	5.16
L22-7-11.5'	7-11.5	08/19/04	2.52
L23-1-4'	1-4	08/19/04	2.01
L23-4-8'	4-8	08/19/04	22.2
L23-8-12'	8-12	08/19/04	1.22
L24-1-4'	1-4	08/19/04	4.47
L24-4-7'	4-7	08/19/04	3.78
L24-7-9'	7-9	08/19/04	21.4
L25-4-7'	4-7	08/19/04	19.9
L25-7-10'	7-10	08/19/04	3.49
L26-1-4'	1-4	08/19/04	10.6
L26-4-8'	4-8	08/19/04	9.15
L26-8-12'	8-12	08/19/04	6.21
L27-1-4'	1-4	08/19/04	5.65
L27-4-8.5'	4-8.5	08/19/04	26.3
L28-1-3'	1-3	08/19/04	0.358

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
L28-3-6'	3-6	08/19/04	40.2
L28-6-9.5'	6-9.5	08/19/04	11.7
L29-1-4'	1-4	08/19/04	43.6
L29-4-8'	4-8	08/19/04	1.46
L29-8-11'	8-11	08/19/04	49
L30-1-4'	1-4	08/19/04	34.9
L30-4-8'	4-8	08/19/04	4.46
L30-8-11'	8-11	08/19/04	0.469
L31-1-4'	1-4	08/19/04	7.3
L31-4-8'	4-8	08/19/04	48.9
L31-8-12'	8-12	08/19/04	20.7
L4-1-4'	1-4	08/17/04	0.287
L4-4-8'	4-8	08/17/04	26.2
L4-8-12'	8-12	08/17/04	0.0924
L5-1-4'	1-4	08/17/04	1.58
L5-4-7'	4-7	08/17/04	12.5
L5-7-10'	7-10	08/17/04	0.552
L60-0-1'	0-1	02/16/05	0.118
L60-1-3'	1-3	02/16/05	0.112
L6-1-4'	1-4	11/17/04	35.8
L6-8-9.5'	8-9.5	11/17/04	10.5
L7-1-4'	1-4	11/17/04	7.01
L7-4-8'	4-8	11/17/04	2.31
L7-8-9'	8-9	11/17/04	2.36
L8-1-3'	1-3	08/17/04	3.81
L8-3-6'	3-6	08/17/04	13.5
L8-6-9'	6-9	08/17/04	0.961
L9-0.5-0.75	0.5-0.75	12/28/04	1.12
L9-1-4'	1-4	08/17/04	1.67
L9-4-7'	4-7	08/17/04	1.24
L9-7-10'	7-10	08/17/04	3.32
M12-0.5-0.8	0.5-0.8	12/28/04	1.11
M14-0.5-1.25	0.5-1.25	12/28/04	8.35
M53-0-2	0-2	11/11/04	4.26
March HB-1	--	03/22/05	0.104
March HB-2	--	03/22/05	0.11
N1-0.5-1.2	0.5-1.2	12/28/04	5.02
N12-0.5-0.9	0.5-0.9	12/28/04	1.12
N13-0.5-1.5	0.5-1.5	12/28/04	3.26
N14-0.5-1	0.5-1	12/28/04	11.2
N15-0.5-1	0.5-1	12/28/04	1.17
N2-0.5-1.4	0.5-1.4	12/28/04	4.94
N3-0.5-1.3	0.5-1.3	12/28/04	4.91
N4-0.5-0.75	0.5-0.75	12/28/04	3.25
N42-0.5-1.7	0.5-1.7	10/14/04	21.7

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
N43-0.5-0.7	0.5-0.7	10/14/04	1.74
N53-0-2.5	0-2.5	11/11/04	6.37
North SP-1	--	09/23/04	0.81
North SP-2	--	09/23/04	0.89
North SP-3	--	09/23/04	29.1
North SP-6	--	09/23/04	2.04
North SP-7	--	10/29/04	34.7
North SP-9	--	10/29/04	5.84
NSP-4-A-2-3'	2-3	01/11/05	35.1
NSP-4-B-1-2'	1-2	12/09/04	11.5
NSP-4-C-1-2'	1-2	12/09/04	3.45
NSP-4-D-0-1'	01-	12/09/04	13.2
NSP-4-D-1-2'	1-2	12/09/04	38.3
NSP-4-E-0-1'	0-1	12/09/04	78.9
NSP-4-F-0-1'	0-1	12/09/04	24.7
NSP-4-H-2-3'	2-3	01/11/05	10.8
NSP-4-I-0-1'	0-1	01/11/05	8.35
NSP-4-I-1-2'	1-2	01/11/05	72.8
NSP-5-1-2'	1-2	12/09/04	33.6
NSP-5-A-0-1'	0-1	12/09/04	21.8
NSP-5-B-0-1'	0-1	12/09/04	70.4
NSP-5-D-0-1'	0-1	12/09/04	4.05
NSP-5-F-1-2'	1-2	12/09/04	40.3
NSP-5-G-0-1'	0-1	12/09/04	4.06
NSP-5-G-1-2'	1-2	12/09/04	7.23
NSP-5-I-0-1'	0-1	01/19/05	8.93
NSP-5-J-0-1'	0-1	01/19/05	18.4
NSP-6-0-1'	0-1	12/09/04	2.23
NSP-8-A-0-1'	0-1	12/09/04	1.16
NSP-8-A-0-1'	0-1	11/11/04	74.76
NSP-8-A-1-2'	1-2	11/11/04	1.17
NSP-8-A-2-3'	2-3	11/11/04	1.15
NSP-8-B-1-2'	1-2	11/11/04	3.28
NSP-8-B-2-3'	2-3	11/11/04	1.06
NSP-8-B-3-4'	3-4	11/11/04	13.4
NSP-8-B-4-5'	4-5	11/11/04	1.11
NSP-8-C-4-5'	4-5	11/11/04	62.1
NSP-8-E-1-2'	1-2	12/09/04	4.4
NSP-8-E-2-3'	2-3	12/09/04	7.19
NSP-8-E-3-4'	3-4	12/09/04	1.16
NSP-8-F-2-3'		01/11/05	1.92
NSP-8-G-0-1'	0-1	12/09/04	78.5
NSP-8-G-1-2'	1-2	12/09/04	1.24
NSP-8-G-2-3'	2-3	12/09/04	1.19
NSP-8-G-3-4'	3-4	12/09/04	1.14

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
NSP-8-I-1-2'	1-2	12/09/04	2.11
NSP-8-I-2-3'	2-3	12/09/04	1.32
NSP-8-I-3-4'	3-4	12/09/04	1.32
NSP-8-K-1-2'	1-2	01/11/05	3.18
NSP-8-M-0-1'	0-1	01/26/05	0.13
O13-0.5-1.1	0.5-1.1	12/28/04	11.1
O14-0.5-1	0.5-1	12/28/04	2.29
O15-0.5-1.75	0.5-1.75	12/28/04	14.8
O42-0.5-1.6	0.5-1.6	10/14/04	13
O43-0.5-0.6	0.5-0.6	10/14/04	1.07
O53-0-3.5	0-3.5	11/11/04	4.3
P11-0.5-0.9	0.5-0.9	12/28/04	11.8
P13-0.5-1.0	0.5-1.0	12/28/04	17.9
P14-0.5-1.35	0.5-1.35	12/28/04	8.82
P15-0.5-0.75	0.5-0.75	12/28/04	1.16
P25-0.5-1.75	0.5-1.75	10/14/04	3.04
P26-0.5-1.6	0.5-1.6	10/14/04	8.28
P27-0.5-1.5	0.5-1.5	10/14/04	1.73
P28-0.5-1.2	0.5-1.2	10/14/04	3.46
P29-0.5-0.7	0.5-0.7	10/14/04	9.18
P31-0.5-1	0.5-1	10/14/04	1.08
P50-0.5-1.2	0.5-1.2	10/14/04	8.54
P53-0-3.5	0-3.5	11/11/04	3.15
PC100-A-1-3'	1-3	11/17/04	2.74
PC100-B-1-3'	1-3	11/17/04	6.81
PC100-C-1-3'	1-3	11/17/04	1.87
PC1012-7-10'	7-10	09/14/04	50.7
PC1012-A-4-7'	4-7	09/14/04	22.3
PC1012-B-7-8'	7-8	09/14/04	11.2
PC1012-C-4-7'	4-7	09/14/04	4.57
PC1012-C-7-11'	7-11	09/14/04	6.22
PC1012-D-7-10'	7-10	09/14/04	21.2
PC1012-E-4-7'	4-7	10/15/04	13.8
PC1012-E-7-10'	7-10	10/15/04	2.7
PC1012-F-1-4'	1-4	10/15/04	5.87
PC1012-F-4-7'	4-7	10/15/04	7.39
PC1012-F-7-10'	7-10	10/15/04	3.16
PC1012-G-4-7'	4-7	10/15/04	12.1
PC1012-G-7-10.5'	7-10.5	10/15/04	2.25
PC1012-H-1-4'	1-4	10/15/04	3.76
PC1012-H-4-7'	4-7	10/15/04	12.9
PC1012-H-7-10'	7-10	10/15/04	1.89
PC1012-I-1-4'	1-4	10/15/04	2.07
PC1012-I-4-7'	4-7	10/15/04	1.49
PC1012-I-7-10'	7-10	10/15/04	2.19

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
PC1012-J-4-7'	4-7'	10/16/04	33.5
PC1012-J-7-10'	7-10'	10/17/04	2.69
PC1012-K-4-7'	4-7	10/15/04	62.9
PC1012-K-7-10'	7-10	10/15/04	2.54
PC1012-L-1-4'	1-4	11/03/04	4.01
PC1012-M-1-4'	1-4	11/03/04	5.71
PC1012-N-1-4'	1-4	10/28/04	8.91
PC1012-O-1-4'	1-4	10/28/04	11.1
PC1030-1-3'	1-3	07/21/04	3.62
PC1031-1-3'	1-3	07/21/04	2.44
PC1032-1-3'	1-3	07/21/04	5.84
PC1033-1-3.5'	1-3.5	07/21/04	7.37
PC1034-1-3'	1-3	07/21/04	5.05
PC1035-1-3'	1-3	07/21/04	11.6
PC1036-1-3'	1-3	07/21/04	7.4
PC1037-1-3'	1-3	07/21/04	5.98
PC1038-1-3'	1-3	07/21/04	1.5
PC1039-1-3.5'	1-3.5	07/21/04	2.19
PC1040-1-3.5	1-3.5	07/21/04	16.8
PC1042-1-3'	1-3	07/21/04	1.17
PC1043-1-3'	1-3	07/21/04	6.4
PC1044-1-3'	1-3	07/21/04	4.5
PC1044-3-6.5'	3-6.5	07/21/04	2.29
PC1045-1-4'	1-4	10/28/04	32.9
PC1045-4-8'	4-8	10/28/04	1.26
PC1045-8-10'	8-10	10/28/04	2.12
PC1046-1-3'	1-3	07/21/04	20.9
PC1046-3-6'	3-6	07/21/04	1.32
PC1046-6-9'	6-9	11/17/04	2.31
PC1047-1-3'	1-3	07/22/04	14.5
PC1047-3-6'	3-6	07/22/04	46.2
PC1047-6-9'	6-9	11/17/04	2.76
PC1048-1-3'	1-3	07/22/04	2.92
PC1049-1-3'	1-3	07/22/04	5.27
PC1050-1-4'	1-4	11/17/04	2.06
PC1050-4-7'	4-7	11/17/04	3.27
PC1051-1-4'	1-4	11/17/04	4.62
PC1051-4-7'	4-7	11/17/04	16
PC1052-1-3'	1-3	11/17/04	2.08
PC1052-3-6'	3-6	11/17/04	2.19
PC1052-6-9.5'	6-9.5	11/17/04	2.31
PC122-A-3-6'	3-6	09/09/04	20.3
PC122-B-1-3'	1-3	09/09/04	18.5
PC122-B-3-6'	3-6	09/09/04	39.7
PC122-B-6-9'	6-9	09/09/04	58.5

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
PC122-C-6-9'	6-9	09/09/04	65.8
PC122-D-1-3'	1-3	09/09/04	19.6
PC122-D-6-9'	6-9	09/09/04	83.8
PC122-E-3-6'	3-6	09/09/04	67.7
PC122-E-6-9'	6-9	09/09/04	20.8
PC122-F-1-3'	1-3	09/09/04	19.2
PC122-F-3-6'	3-6	09/09/04	19.2
PC122-F-6-9'	6-9	09/09/04	19.2
PC122-H-6-8.5'	6-8.5	09/09/04	22.3
PC122-I-6-10.5'	6-10.5	10/15/04	36
PC122-J-3-6'	3-6	10/15/04	49.8
PC122-J-6-10.75'	6-10.75	10/15/04	7.9
PC122-K-3-6'	3-6	10/15/04	17.3
PC122-K-6-6.25'	6-6.25	10/15/04	32.2
PC122-L-1-3'	1-3	10/15/04	9.46
PC122-L-6-10.75'	6-10.75	10/15/04	66.8
PC122-M-1-3'	1-3	10/15/04	5.32
PC122-M-6-10.5'	6-10.5	10/15/04	7.99
PC122-N-3-6'	3-6	10/28/04	10.7
PC122-O-1-3'	1-3	10/28/04	4.43
PC122-O-6-9.5'	6-9.5	10/28/04	3.77
PC122-P-3-6'	3-6	10/28/04	68.2
PC122-Q-3-6'	3-6	10/28/04	25.1
PC122-R-3-6'	3-6	10/28/04	89.4
PC122-T-3-6'	3-6	10/28/04	5.09
PC122-U-3-6'	3-6	11/02/04	60.3
PC122-V-1-3'	1-3	11/02/04	14.3
PC122-V-6-10'	6-10	11/02/04	6.79
PC122-W-3-6'	3-6	11/02/04	21.4
PC122-X-3-6'	3-6	12/02/04	11.1
PC122-Y-3-6'	3-6	12/02/04	23.1
PC122-Z-3-6'	3-6	12/02/04	1.96
PC164-B-1-3'	1-3	10/28/04	12.2
PC164-B-3-6.5'	3-6.5	10/28/04	2.65
PC164-E-1-3'	1-3	12/02/04	11.2
PC164-F-1-3'	1-3	12/02/04	11.2
PC190-6.5-10'	6.5-10	09/22/04	4.19
PC190-A-1-3'	1-3	09/22/04	4.59
PC190-A-3-6.5'	3-6.5	09/22/04	44.3
PC190-A-6.5-10'	6.5-10	09/22/04	2.7
PC190-B-1-3'	1-3	09/22/04	46.1
PC190-B-3-6.5'	3-6.5	09/22/04	9.58
PC190-B-6.5-10'	6.5-10	09/22/04	20.8
PC190-C-1-3'	1-3	09/23/04	4.48
PC190-C-3-6.5'	3-6.5	09/23/04	2.78

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
PC190-C-6.5-12'	6.5-12	09/23/04	27.4
PC190-D-1-3'	1-3	09/22/04	1.18 U
PC190-D-3-6.5'	3-6.5	09/22/04	28.5
PC190-D-6.5-10.5'	6.5-10.5	09/22/04	1.38 U
PC191-3-6'	3-6	09/23/04	11
PC191-6-10'	6-10	09/23/04	12.1
PC191-A-3-6'	3-6	09/23/04	94
PC191-B-1-3'	1-3	09/23/04	3.8
PC191-B-3-6'	3-6	09/23/04	10.4
PC191-C-1-3'	1-3	09/23/04	9.38
PC191-C-3-6'	3-6	09/23/04	31.1
PC191-D-1-3'	1-3	09/23/04	2.86
PC191-E-1-3'	1-3	10/15/04	2.02
PC191-E-3-6'	3-6	10/15/04	42.1
PC191-F-1-3'	1-3	10/20/04	5.35
PC191-F-3-6'	3-6	10/20/04	16.7
PC191-F-6-10.5'	6-10.5	10/20/04	26
PC191-G-3-6'	3-6	10/15/04	57.5
PC191-G-6-9'	6-9	10/15/04	29
PC191-H-1-3'	1-3	10/20/04	15.1
PC191-H-3-6'	3-6	10/20/04	19.1
PC191-H-6-10.5'	6-10.5	10/20/04	3.99
PC191-I-1-3'	1-3	10/15/04	7.38
PC191-I-1-3'	1-3	10/20/04	7.4
PC191-I-3-6'	3-6	10/15/04	6.8
PC191-I-3-6'	3-6	10/20/04	67.9
PC191-I-6-10.75'	6-10.75	10/15/04	2.91
PC191-I-6-10.75'	6-10.75	10/20/04	7.8
PC191-J-1-3'	1-3	10/20/04	4.2
PC191-J-6-10.5'	6-10.5	10/20/04	27.6
PC191-K-3-6'	3-6	11/11/04	31.4
PC191-L-3-6'	3-6	11/11/04	55.7
PC192-1-3'	1-3	07/21/04	9.22
PC192-3-6.5'	3-6.5	11/17/04	2.28 U
PC193-1-3'	1-3	07/21/04	5.36
PC193-3-6.5'	3-6.5	07/21/04	2.85
PC194-1-3'	1-3	07/21/04	3.04
PC194-1-3'	1-3	08/25/04	8.92
PC195-1-3'	1-3	08/25/04	2.48
PC195-3-6'	3-6	08/25/04	2.35 U
PC196-1-3'	1-3	07/21/04	5.61
PC196-3-6.5'	3-6.5	07/21/04	10.7
PC198-1-3'	1-3	07/21/04	7.58
PC198-6.5-10'	6.5-10	09/24/04	4.26
PC198-A-1-3'	1-3	09/24/04	4.19

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
PC198-A-3-6.5'	3-6.5	09/24/04	13.52
PC198-A-6.5-9'	6.5-9	09/24/04	1.64
PC198-B-1-3'	1-3	09/24/04	11.2
PC198-B-3-6.5'	3-6.5	09/24/04	8.54
PC198-B-6.5-9'	6.5-9	09/24/04	3.75
PC198-C-1-3'	1-3	09/24/04	4.43
PC198-C-3-6.5'	3-6.5	09/24/04	17.7
PC198-C-6.5-11'	6.5-11	09/24/04	12.3
PC198-D-1-3'	1-3	09/24/04	9.16
PC198-D-3-6.5'	3-6.5	09/24/04	22.6
PC198-D-6.5-8.5'	6.5-8.5	09/24/04	6.43
PC199-1-4'	1-4	07/21/04	15.9
PC199-4-7'	4-7	07/21/04	27
PC200-1-4'	1-4	07/21/04	8.33
PC200-4-7'	4-7	07/21/04	3.08
PC201-1-4'	1-4	07/21/04	8.08
PC201-4-7'	4-7	07/21/04	9.65
PC202-1-4'	1-4	07/21/04	2.06
PC202-4-7'	4-7	07/21/04	3.34
PC203-1-4'	1-4	07/21/04	3.29
PC203-4-7'	4-7	07/21/04	8.74
PC204-1-4'	1-4	07/22/04	3.68
PC204-4-7'	4-7	07/22/04	9.81
PC205-1-3'	1-3	07/22/04	2.97
PC205-3-6.5'	3-6.5	07/22/04	3.82
PC206-1-3'	1-3	07/22/04	2.3
PC206-A-3-6.5'	3-6.5	12/02/04	14.7
PC206-B-3-6.5'	3-6.5	12/02/04	12.2
PC207-1-3'	1-3	07/22/04	13
PC207-3-6.5'	3-6.5	07/22/04	3.51
PC208-1-4'	1-4	07/22/04	39.4
PC208-4-7	4-7	07/22/04	7.21
PC209-1-3'	1-3	07/22/04	9.6
PC209-3-6.5'	3-6.5	07/22/04	11.7
PC210-1-3'	1-3	07/22/04	2.26
PC210-3-6'	3-6	07/22/04	4.57
PC210-6-9'	6-9	11/17/04	2.65
PC211-1-3.5'	1-3.5	07/22/04	3
PC212-1-3.5'	1-3.5	07/22/04	19.2
PC214-1-3.5'	1-3.5	07/22/04	9.96
PC215-1-3'	1-3	07/22/04	3.34
PC216-1-3'	1-3	07/22/04	24.1
PC217-1-3.5'	1-3.5	07/22/04	4.9
PC218-1-3'	1-3	07/22/04	4.15
PC218-3-6.5	3-6.5	07/22/04	8.87

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
PC219-1-4'	1-4	07/22/04	2.02
PC219-4-7'	4-7	07/22/04	5.5
PC220-1-3'	1-3	07/22/04	1.6
PC220-3-6.5'	3-6.5	07/22/04	2.66
PC221-1-3'	1-3	07/22/04	8.57
PC221-3-6.5'	3-6.5	07/22/04	11.3
PC222-1-3.5'	1-3.5	07/22/04	8.87
PC223-1-3.5'	1-3.5	07/22/04	17.6
PC225-3.5-6	3.5-6	09/23/04	5.79
PC225-6-11	6-11	09/23/04	5.08
PC225-A 3.5-6	3.5-6	09/23/04	5.23
PC225-A-1-3.5	1-3.5	09/23/04	1.58
PC225-B-1-3.5	1-3.5	09/23/04	1.33
PC225-B-3.5-6	3.5-6	09/23/04	3.35
PC225-C-1-3.5	1-3.5	09/23/04	7.19
PC225-C-3.5-6	3.5-6	09/23/04	11.8
PC225-D-1-3.5	1-3.5	09/23/04	6.16
PC225-D-3.5-6	3.5-6	09/23/04	28.1
PC226-1-3'	1-3'	07/22/04	12.7
PC227-1-3'	1-3	07/22/04	3.28
PC227-3-6.5'	3-6.5	07/22/04	4.13
PC228-1-3.5'	1-3.5	07/22/04	5.068
PC229-1-4'	1-4	07/22/04	5.95
PC229-4-7'	4-7	07/22/04	1.51
PC230-1-4'	1-4	07/22/04	4.66
PC230-4-7'	4-7	07/22/04	15.7
PC231-1-3'	1-3	07/22/04	6
PC231-3-6.5'	3-6.5	07/22/04	3.23
PC237-1-4'	1-4	07/22/04	1.58
PC237-4-7'	4-7	07/22/04	14.8
PC238-1-3'	1-3	08/26/04	16.2
PC238-3-6.5'	3-6.5	08/26/04	8.08
PC239-1-3'	1-3	07/22/04	1.09
PC239-3-6.5'	3-6.5	07/22/04	1.12
PC240-1-3'	1-3	07/22/04	6.08
PC240-3-6.5'	3-6.5	07/22/04	11.3
PC241-1-3'	1-3	07/29/04	4.11
PC241-3-6.5'	3-6.5	07/29/04	5.75
PC242-1-3'	1-3	07/29/04	13.3
PC243-1-3'	1-3	07/29/04	4.78
PC244-1-3'	1-3	07/29/04	11.9
PC246-1-3'	1-3	07/29/04	1.07
PC247-1-3'	1-3	07/29/04	0.91
PC248-1-3'	1-3	07/29/04	3.54
PC249-1-4'	1-4	07/29/04	22.7

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
PC249-4-7'	4-7	07/29/04	14.9
PC250-1-4'	1-4	07/29/04	23
PC250-4-7'	4-7	07/29/04	13.2
PC251-1-3'	1-3	07/29/04	2.87
PC251-3-6'	3-6	07/29/04	8.7
PC252-1-3'	1-3	07/29/04	2.09
PC252-3-6'	3-6	07/29/04	1.29
PC253-1-3'	1-3	07/29/04	1.09
PC253-3-6.5'	3-6.5	07/29/04	4.47
PC254-1-3'	1-3	07/29/04	1.12
PC254-3-6.5'	3-6.5	07/29/04	7.75
PC255-1-4'	1-4	07/29/04	9.43
PC255-4-7'	4-7	07/29/04	1.35
PC256-1-4'	1-4	07/29/04	1.08
PC256-4-7'	4-7	07/29/04	6.98
PC257-1-4'	1-4	07/29/04	1.08
PC257-4-7'	4-7	07/29/04	2.05
PC258-1-4'	1-4	07/29/04	1.8
PC258-4-7'	4-7	07/29/04	1.98
PC259-1-4'	1-4	07/29/04	1.05
PC259-A-4-7'	4-7	11/17/04	3.34
PC259-B-4-7'	4-7	11/17/04	5.28
PC260-1-4'	1-4	07/29/04	1.14
PC260-A-4-7'	4-7	11/17/04	5.28
PC260-B-4-7'	4-7	11/17/04	13
PC261-1-3'	1-3	07/29/04	1.08
PC261-3-6.5'	3-6.5	07/29/04	2.73
PC262-1-3'	1-3	07/29/04	11.5
PC262-3-6.5'	3-6.5	07/29/04	6.46
PC263-1-4'	1-4	07/29/04	1.18
PC263-4-7'	4-7	07/29/04	6.64
PC264-1-4'	1-4	07/29/04	1.41
PC264-4-7'	4-7	07/29/04	4.01
PC265-1-4'	1-4	07/29/04	1.16
PC265-4-7'	4-7	07/29/04	27.7
PC266-1-4'	1-4	07/29/04	1.11
PC266-4-7'	4-7	07/29/04	19.4
PC267-1-4'	1-4	07/29/04	3.72
PC267-4-7'	4-7	07/29/04	12
PC268-1-4'	1-4	07/29/04	3.13
PC268-4-7'	4-7	07/29/04	11.7
PC269-1-4'	1-4	07/29/04	1.94
PC269-4-7'	4-7	07/29/04	6.58
PC270-1-4'	1-4	07/29/04	19
PC270-4-7'	4-7	07/29/04	4.23

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
PC271-1-4'	1-4	07/29/04	1.88
PC271-4-7'	4-7	07/29/04	2
PC272-3-6.5'	3-6.5	07/29/04	11.5
PC272-A-1-3'	1-3	11/17/04	1.83
PC272-B-1-3'	1-3	11/17/04	1.83
PC272-C-1-3'	1-3	11/17/04	1.79
PC273-1-3'	1-3	07/29/04	11.2
PC273-3-6.5'	3-6.5	07/29/04	9.67
PC2-A-3-4.75'	3-4.75	10/15/04	1.45
PC2-B-3-6'	3-6	10/15/04	1.79
PC2-C-3-6'	3-6	10/15/04	1.72
PC2-D-1-3'	1-3	10/15/04	40.9
PC2-D-3-6'	3-6	10/15/04	3.95
PC60 J-3-6	3-6	09/20/04	3.92
PC60 J-6-11	6-11	09/20/04	4.75
PC60 K-3-6	3-6	09/20/04	3.16
PC60 K-6-11	6-11	09/20/04	11.6
PC60 L-3-6	3-6	09/20/04	13.1
PC60 L-6-11	6-11	09/20/04	23.6
PC60 M-3-6	3-6	09/20/04	10.7
PC60 M-6-11	6-11	09/20/04	23
PC60-6-11'	6-11	09/20/04	33
PC60-A-6-8'	6-8	09/14/04	25.4
PC60-B-1-3'	1-3	09/14/04	20.1
PC60-B-3-6'	3-6	09/14/04	19.4
PC60-B-6-11'	6-11	09/14/04	20.3
PC60-C-3-6'	3-6	09/14/04	20.1
PC60-C-6-10'	6-10	09/14/04	20.8
PC60-D-1-3'	1-3	09/14/04	19.4
PC60-D-3-6'	3-6	09/14/04	10.6
PC60-D-6-10'	6-10	09/14/04	19.8
PC60-F-1-3'	1-3	09/09/04	31.4
PC60-F-3-6'	3-6	09/09/04	17.2
PC60-G-6-11'	6-11	09/20/04	3.42
PC60-H-3-6'	3-6	09/20/04	4.62
PC60-H-6-11'	6-11	09/20/04	1.47
PC60-I-6-11	6-11	09/20/04	1.47
PC89-A-1-3'	1-3	11/17/04	6.02
PC89-B-1-3'	1-3	11/17/04	1.85
PC89-C-1-3'	1-3	11/17/04	2.16
Q10-FILL-2-4'	2-4	02/23/04	3.3
Q11-FILL-7-9'	7-9	02/23/04	4.18
Q13-B of Q13-A&B	1-3/3-5	04/06/04	7.37
Q13-FILL-6-8'	6-8	02/23/04	6.59
Q14-B of Q14-A&B	1-3/5-7	04/06/04	9.62

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
Q15-B of Q15-A&B	1-3/3-5	04/06/04	8.77
Q15-FILL-5-7'	5-7	02/24/04	18.7
Q16-B of Q16-A&B	3-5/5-6	04/05/04	12.3
Q17-E-1-2'	1-2	05/25/04	4.49
Q17-E-2-4'	2-4	05/25/04	1.11
Q17-E-4-6'	4-6	05/25/04	3.98
Q17-F-1-2'	1-2	05/25/04	8.68
Q17-F-2-4'	2-4	05/25/04	2.84
Q17-F-4-6'	4-6	05/25/04	2.21
Q17-G-2-4'	2-4	05/25/04	5.9
Q17-G-4-6'	4-6	05/25/04	9.01
Q17-H-1-2'	1-2	05/25/04	45.7
Q17-H-2-4'	2-4	05/25/04	6.03
Q17-H-4-6'	4-6	05/25/04	2.76
Q17-I-1-2'	1-2	05/25/04	5.95
Q17-I-4-6'	4-6	05/25/04	1.28
Q17-J-2-4'	2-4	05/25/04	8.91
Q17-K-1-2'	1-2	05/25/04	12.6
Q17-K-2-4'	2-4	05/25/04	3.89
Q17-K-4-6'	4-6	05/25/04	1.61
Q17-L-1-2'	1-2	05/25/04	28.2
Q17-L-2-4	2-4	05/25/04	5.6
Q17-L-4-5'	4-5	05/25/04	27.1
Q17-M-2-4'	2-4	05/25/04	4.78
Q17-M-4-6'	4-6	05/25/04	5.8
Q17-N-1-2'	1-2	05/25/04	12.4
Q17-N-2-4'	2-4	05/25/04	63.2
Q17-N-4-5'	4-5	05/25/04	42.7
Q17-O-1-2'	1-2	05/25/04	25.5
Q17-P-1-2'	1-2	05/25/04	11.7
Q17-R-1-2'	1-2	05/25/04	16.3
Q17-S-1-2'	1-2	05/25/04	21.5
Q18-E-3-5.5'	3-5.5	05/24/04	9.6
Q18-F-3-6'	3-6	05/24/04	21.5
Q18-FILL-4-6'	4-6	02/24/04	10.6
Q18-G-3-5.5'	3-5.5	05/24/04	34.2
Q18-H-1-3'	1-3	05/24/04	30.8
Q18-H-3-5.5'	3-5.5	05/24/04	7.51
Q18-I-1-3'	1-3	05/24/04	85.7
Q18-I-3-6'	3-6	05/24/04	7.86
Q18-J-1-3'	1-3	05/24/04	27.9
Q18-J-3-6'	3-6	05/24/04	7.52
Q18-K-1-3'	1-3	05/24/04	38.2
Q18-L-1-3'	1-3	05/24/04	4.11
Q18-M-1-3'	1-3	05/24/04	13.9

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
Q18-N-1-3'	1-3	05/24/04	16.2
Q18-Q1-3'	1-3	05/24/04	8.76
Q18-R-1-3'	1-3	05/24/04	12.5
Q1-B of Q1-A&B	5-7/7-9	04/06/04	21.3
Q20-B of Q20-A&B	3-5/4-5	04/05/04	4.24
Q20-FILL-1-3'	1-3	02/24/04	24.9
Q21-A&B	7-8/1-3	04/05/04	15.8
Q22-B of Q22-A&B	1-3/3-5	04/05/04	44.1
Q23-B of Q23-A&B	1-3/5-7	04/05/04	12.8
Q23-FILL-9-11'	9-11	02/24/04	53.1
Q24-A&B	3-5/7-9	04/05/04	9.48
Q25-B of Q25-A&B	8-9/5-7	04/05/04	6.14
Q25-E-1-4'	1-4	05/24/04	39.839
Q25-E-4-8'	4-8	05/24/04	6.842
Q25-E-8-9.5'	8-9.5	05/24/04	11.045
Q25-F-1-4'	1-4	05/24/04	18.893
Q25-F-4-8'	4-8	05/24/04	4.89
Q25-F-8-9.5'	8-9.5	05/24/04	7.751
Q25-G-1-4'	1-4	05/24/04	4.795
Q25-G-4-8'	4-8	05/24/04	13.785
Q25-G-8-9.5'	8-9.5	05/24/04	2.792
Q25-H-4-8'	4-8	05/24/04	9.494
Q25-H-8-9'	8-9	05/24/04	11.385
Q25-I-1-4'	1-4	05/24/04	35.106
Q25-I-4-8'	4-8	05/24/04	9.832
Q25-I-8-9'	8-9	05/24/04	14.557
Q25-K-1-4'	1-4	05/24/04	3.25
Q25-L-1-4'	1-4	05/24/04	13.9
Q26-A&B	5-7/1-3	04/05/04	41.2
Q26-E-1-4'	1-4	06/30/04	10.7
Q27-A&B	1-3/7-9	04/05/04	12.3
Q28-A&B	5-7/7-11	04/05/04	3.09
Q28-FILL-3-5'	3-5	02/24/04	42.1
Q29-A&B	1-3/7-9	04/05/04	5
Q29-FILL-5-7'	5-7	02/24/04	16.7
Q31-FILL-7-9'	7-9	02/24/04	5.3
Q32-FILL-3-4.5'	3-4.5	02/24/04	51.8
Q33-B&C	1-3/9-11	04/05/04	8.19
Q33-FILL-5-7'	5-7	02/24/04	57.9
Q34-A of Q34-B&C	9-11/1-3	04/05/04	37.5
Q34-FILL-6-8'	6-8	02/24/04	6.6
Q35-B&C	5-7/10-5-12.5	04/05/04	22.8
Q35-FILL-8-10'	8-10	02/24/04	47.4
Q36-B-2-4'	2-4	03/29/04	9.43
Q36-C-1-3'	1-3	04/05/04	4.77

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
Q36-FILL-7-10'	7-10	02/24/04	6.58
Q37-B of Q37-A,B&C	1-3/4-6/3-5	04/05/04	6.9
Q37-FILL-3-5'	3-5	02/24/04	4.9
Q38-A&B	5-7/1-3	04/05/04	14.8
Q39-A&B	1-3/2.5-4.5	04/05/04	2.15
Q39-FILL-5-7'	5-7	02/24/04	1.64
Q3-A&B	1-3/5-7	04/06/04	11.7
Q43-C-4-6'	4-6	06/30/04	2.38
Q43-C-6-9'	6-9	06/30/04	2.47
Q4-B of Q4-A&B	5-7/1-3	04/06/04	6.04
Q53-Landscape-0-4	0-4	11/11/04	1.94
Q54-1-4'	1-4	06/14/04	2.64
Q54-4-7'	4-7	06/14/04	1.64
Q54-7-11'	7-11	06/14/04	1.45
Q54-OS-11-12'	11-12	06/14/04	0.1
Q55-1-4'	1-4	06/14/04	1.56
Q55-4-8'	4-8	06/14/04	3.71
Q55-8-11'	8-11	06/30/04	2.06
Q56-4-8'	4-8	06/17/04	2.84
Q56-8-12'	8-12	06/17/04	1.61
Q57-1-4'	1-4	06/17/04	4.41
Q57-4-7'	4-7	06/17/04	4.28
Q57-7-10'	7-10	06/17/04	2.69
Q57-OS-10.5-12'	10.5-12	06/17/04	0.442
Q58-1-4'	1-4	06/17/04	5.61
Q58-4-7'	4-7	06/17/04	4.03
Q58-7-11'	7-11	06/17/04	2.04
Q59-1-3'	1-3	06/17/04	22.3
Q59-3-6'	3-6	06/17/04	2.81
Q59-6-9'	6-9	06/17/04	1.84
Q59-OS-9.5-12'	9.5-12	06/17/04	0.851
Q5-A&B	1-3/3-5	04/06/04	9.2
Q61-1-4'	1-4	06/17/04	14.9
Q61-4-7'	4-7	06/17/04	3.36
Q61-7-11'	7-11	06/17/04	3.89
Q62-1-4'	1-4	06/17/04	62.3
Q62-4-7'	4-7	06/17/04	2.83
Q62-7-11.5'	7-11.5	06/17/04	2.66
Q62-A-1-4'	1-4	09/22/04	55.18
Q62-A-4-7'	4-7	09/22/04	2.4
Q62-B-1-4'	1-4	09/22/04	5.8
Q62-B-4-7'	4-7	09/22/04	4
Q62-C-1-4'	1-4	09/24/04	2.05
Q62-C-4-7'	4-7	09/24/04	2.06
Q6-C of Q6-B&C	1-3/5-7	04/06/04	8.01

TABLE A-1
Remaining Soil Concentrations of
Polychlorinated Biphenyls (PCBs)
Former McCoy Field Site
New Bedford, Massachusetts

Sample Identification	Sample Depth (ft)	Collection Date	Total PCBs (mg/kg)
Q70-J-1-4'	1-4	09/08/04	2.64
Q70-J-4-7'	4-7	09/08/04	23.1
Q70-K-1-4'	1-4	09/08/04	23.8
Q70-K-4-7'	4-7	09/08/04	22.5
Q7-B of Q7-A&B	1-3/5-7	04/06/04	3.28
Q7-FILL-3-5'	3-5	02/23/04	5.78
Q8-B of Q8-A&B	5-7/3-5	04/06/04	11.5
Q9-FILL-5-7'	5-7	02/23/04	26.4
Sidewalk-1-1.25-2'	1.25-2	10/28/04	0.11
Sidewalk-2-1.5-2'	1.5-2	10/29/04	0.1
Sidewalk-3-1-2'	1-2	10/29/04	0.11
Sidewalk-4-0.25-2'	0.25-2	10/29/04	0.1
Sidewalk-5-0.5-2'	0.5-2	10/29/04	0.12
Sidewalk-6-0.5-2'	0.5-2	10/29/04	0.11
W31-1-4'	1-4	07/07/04	8
W31-4-8'	4-8	07/07/04	6.29
W32-1-4'	1-4	07/07/04	26.6
W32-4-7.5'	4-7.5	07/07/04	2.04
W33-1-4'	1-4	07/07/04	23
W33-4-6.5'	4-6.5	07/07/04	7.84
W8-U-3-5'	3-5	09/24/04	2.07
W8-U-5-7'	5-7	09/24/04	1.89
Number of Samples			1,057
Number of Detections			790
Percentage Detected			75%
Minimum Concentration Detected			0.0924
Maximum Concentration Detected			94.5
Arithmetic Mean Concentration ¹			10.5
Upper Confidence Limit (UCL) of Mean Concentration ²			13.4

U = Undetected at quantitation limit presented.

1. Non-detections included at one-half quantitation limit.
2. 97.5% UCL [Chebyshev (Mean, Sd)], calculated by ProUCL (U.S. EPA 2004).

TABLE A-2
CALCULATION OF ALTERNATE AIR DUST CONCENTRATION
Former McCoy Field
New Bedford, Massachusetts

For carcinogens:

$$\boxed{\text{SSL} = \frac{\text{TR} \cdot \text{AT} \cdot \text{CF}}{\text{UR} \cdot \text{EF} \cdot \text{ED} \cdot \frac{1}{\text{PEF}}}}$$

Eq 4-3: U.S. EPA (2002). *Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites*. OSWER 9355.4-24.

For non-carcinogens:

$$\boxed{\text{SSL} = \frac{\text{THI} \cdot \text{AT} \cdot \text{CF}}{\text{EF} \cdot \text{ED} \cdot \frac{1}{\text{PEF}} \cdot \frac{1}{\text{RFC}}}}$$

Eq 4-4: U.S. EPA (2002). *Supplemental Guidance for Developing Soil Screening Levels*

Rearranging, substituting C_{soil} for SSL, adding exposure time (ET), and calculating for PEF:

For carcinogens:

$$\boxed{\text{PEF} = \frac{C_{\text{SOIL}} \cdot \text{UR} \cdot \text{ET} \cdot \text{EF} \cdot \text{ED}}{\text{TR} \cdot \text{AT} \cdot \text{CF}}}$$

For non-carcinogens:

$$\boxed{\text{PEF} = \frac{C_{\text{SOIL}} \cdot \text{ET} \cdot \text{EF} \cdot \text{ED}}{\text{THI} \cdot \text{AT} \cdot \text{RFC} \cdot \text{CF}}}$$

Where:

SSL =	Soil screening level (mg/kg)
PEF =	Particle emission factor (m^3/kg)
C_{soil} =	Soil concentration (mg/kg)
TR =	Target excess lifetime cancer risk (unitless)
THI =	Target Hazard Index (unitless)
AT =	Averaging time (yr)
CF =	Unit conversion factor (hr/yr)
UR =	Unit risk value [$(\text{mg}/\text{m}^3)^{-1}$]
RFC =	Inhalation reference concentration (mg/m^3) [converted from RfD of 0.00002 mg/kg-dy, assuming 70 kg body weight and 20 m^3 inhalation rate] ($0.00002 \times 70/20 = 0.00007 \text{ mg}/\text{m}^3$).
ET =	Exposure time (hr/dy)
EF =	Exposure frequency (dy/yr)
ED =	Exposure duration (yr)

and: $C_{\text{air}} = 1/(\text{PEF}) \times \text{CF1}$

where: $C_{\text{air}} =$ Air particle concentration (mg/m^3)
 $\text{CF1} =$ Unit conversion factor (mg/kg)

Carcinogenic endpoint

C_{soil} (mg/kg)	UR [(mg/m^3) $^{-1}$]	ET (hr/dy)	EF (dy/yr)	ED (yr)	TR (unitless)	AT (yr)	CF (hr/yr)	PEF (m^3/kg)	CF1 (mg/kg)	C_{air} (mg/m^3)
46.6	0.1	8	250	1	1.00E-06	70	8,760	1.52E+04	1.00E+06	66

Non-carcinogenic endpoint

C_{soil} (mg/kg)	ET (hr/dy)	EF (dy/yr)	ED (yr)	THI (unitless)	AT (yr)	RFC (mg/m^3)	CF (hr/yr)	PEF (m^3/kg)	CF1 (mg/kg)	C_{air} (mg/m^3)
46.6	8	250	1	0.2	1	0.00007	8,760	7.60E+05	1.00E+06	1.3